

What is claimed is:

1. Gold or silver powder having paramagnetism.

5 2. The gold or silver powder of claim 1, characterized by that the size of said gold or silver powder is 40 μm or less.

3. The gold or silver powder of claim 2, characterized by having paramagnetism at an absolute temperature of 20K or higher.

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4. The gold or silver powder of claim 3, characterized by having paramagnetism at an absolute temperature of 100K or higher.

15 5. The gold or silver powder of claim 4, characterized by having paramagnetism at a room temperature.

6. The silver powder of claim 2, characterized by having paramagnetism in an external magnetic field, H , of 2,000 Oe or greater.

20 7. The silver powder of claim 6, characterized by having paramagnetism in an external magnetic field, H , of 4,000 Oe or greater.

8. The gold or silver powder of claim 2, characterized by having a saturated magnetic moment in the external magnetic field, H , of 2,000 to 8,000 Oe.

9. The gold or silver powder of claim 2, characterized by having super-paramagnetism at an absolute temperature of 100K or lower.

5 10. The silver powder of claim 9, characterized by that the size of said silver powder is 3 μm or less.

11. The gold powder of claim 9, characterized by that the size of said gold powder is 20 nm or less.

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12. The silver powder of claim 2, characterized by having a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is a positive value at an absolute temperature of 100K or lower.

15 13. The silver powder of claim 11, characterized by having a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is 3×10^{-7} emu/g·Oe or greater at an absolute temperature of 20K.

14. The silver powder of claim 2, characterized by having a positive mass
20 magnetization in an external magnetic field, H , of 2,000 Oe or greater.

15. The silver powder of claim 14, characterized by having a positive mass magnetization in an external magnetic field, H , of 4,000 Oe or greater.

16. The gold powder of claim 2, characterized by having a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is a positive value in an external magnetic field, H , of 1,000 Oe or greater.

5 17. The gold powder of claim 16, characterized by having a positive mass magnetization as the inclination of the mass magnetization curve, dM/dH , is 4×10^{-6} or greater in an external magnetic field, H , of 10,000 Oe at an absolute temperature of 20K.

10 18. The gold or silver powder of claim 2, characterized by having a coercive force of 5 Gauss or less.

19. The gold or silver powder of claim 18, characterized by having a coercive force of 2 Gauss or less.

15 20. A method of manufacture of gold or silver powder having paramagnetism comprising the steps of:

generation of a plasma having an absolute temperature of 4,000 to 200,000K by using an RF power amplifier of 13.56 MHz and 5 to 50 kW and an inductive coupled plasma torch in a vacuum reaction tube;

20 production of a gold or silver plasma gas by reacting said plasma generated in the above and diamagnetic gold or silver powder; and

manufacture of paramagnetic gold or silver powder by cooling rapidly said gold or silver plasma gas thus produced below a room temperature under a vacuum in a nano powder collection equipment installed at the lower end of a plasma reaction furnace.

21. The method of manufacture of said gold or silver powder having paramagnetism of claim 20, characterized by that the single-type RF applied power is 7 kW or greater, or the double-type RF applied power is 5 kW or greater.

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22. The method of manufacture of said gold or silver powder having paramagnetism of claim 20, characterized by controlling the size of paramagnetic gold or silver powder by adjusting the conditions selected from the length of the reaction flame in which plasma is formed, and the time or temperature of rapid cooling of said gold or silver plasma gas.

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23. Epilation compositions characterized by containing said silver powder having paramagnetism of claim 2, germanium dioxide, and purified water.

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24. The epilation compositions of claim 23, characterized by that the content of said silver powder having paramagnetism is 0.01 to 10 ppm.

25. The epilation compositions of claim 23, characterized by that germanium dioxide is obtained by burning natural lignite in a 1,600 to 2,000°C combustion furnace.

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26. Toothpaste compositions containing said silver powder having paramagnetism of claim 2.

27. The toothpaste compositions of claim 26, characterized by that the content

of said silver powder having paramagnetism is 0.005 to 0.1 weight %.

28. Cosmetic compositions characterized by containing said gold or silver powder having paramagnetism of claim 2, or their mixture.

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29. The cosmetic compositions of claim 28, characterized by that the content of said gold powder having paramagnetism is 3 to 20 ppm.

30. The cosmetic compositions of claim 28, characterized by that the content
10 of said silver powder having paramagnetism is 5 to 50 ppm.